

CLAIM AMENDMENTS

1-10. Canceled

11. (Previously Presented) A borehole caliper tool, comprising:
 - a tool body;
 - a pad for engagement with a surface of the borehole;
 - a proximity sensor; and
 - a follower arm having a first end and a second end, the follower arm being coupled to the tool body at the first end to form a pivot joint defining a cam proximate thereto, with the second end being pivotally coupled to the pad, the cam having mass and being coupled to reciprocate about the pivot joint to facilitate a displacement of the mass with respect to the proximity sensor in response to contact of the pad with the surface, with the proximity sensor being positioned to sense the displacement of the mass and generate an output containing information concerning the deflection of the follower arm relative to the tool body.
12. (Previously Presented) The borehole caliper tool of claim 11, further comprising a bow spring coupled to the tool body and the pad.
13. (Previously Presented) The borehole caliper tool of claim 12, wherein the bow spring includes opposed ends coupled to the tool body, with the pad being coupled to the bow spring equidistant from the opposed ends.
14. (Original) The borehole caliper tool of claim 12, wherein the arm is coupled to the bow spring at the second end and adapted to move as the bow spring flexes.
15. Canceled
16. (Previously Presented) The borehole caliper tool of claim 14, wherein a sliding pivot joint is formed between the second end and the bow spring.

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17. (Original) The borehole caliper tool of claim 11, wherein the proximity sensor is a non-contact differential variable reluctance transducer.
18. (Previously Presented) The borehole caliper tool of claim 11, which comprises an additional follower arm and an additional proximity sensor with said follower arm and said additional follower arm defining a plurality of follower arms and the proximity sensor and said additional proximity sensor defining a plurality of proximity sensors with each of the plurality of follower arms being coupled to the tool body and having a cam and each of the plurality of proximity sensors positioned to sense displacement of the cam associated with one of said plurality of follower arms.
19. (Previously Presented) The borehole caliper tool of claim 18, wherein the plurality of follower arms and proximity sensors are distributed about a diameter of the tool body.
20. (Original) The borehole caliper tool of claim 11, wherein the arm is rigid.
21. Canceled